S3808-1
12/13/89 A

DES DIVISION OF EMPLOYMENT SECURITY

Employment Review

AUGUST 1988

Nonagricultural Employment Continues to Expand

The Commonwealth's total nonagricultural wage and salary employment showed a comeback in August 1988 from last month's temporary seasonal downturn. Job gains in Massachusetts registered over 6,800 positions. The Bay State's economy provided 3,125,900 jobs. Indeed, the August gains were more than double the increase during the July/August period of last year (2,900 jobs).

- As a result, in part, of a seasonal pick-up, employment levels in August 1988 increased slightly or moderately in many industrial sectors, including construction (2,100 jobs); transportation, communication, and public utilities (100 jobs); the service sector (2,900 jobs); and the high technology nonmanufacturing industries (300 jobs).

- Employment was unchanged or declined slightly in mining; the finance, insurance, and real estate sector (100 jobs); and government (5,000 positions). A local government subsector - educational services - accounted for the bulk of the decline in government (4,400 positions).

- In the manufacturing sector employment rose by 4,800. Increases were registered in both subsectors of manufacturing with durable goods producing industries adding 200 jobs and nondurable goods producing industries adding 4,600 jobs.

The Commonwealth's economic expansion continues to roll along, creating 72,100 nonagricultural jobs since August 1987.

- The highest annual growth rate in the state's economy was registered by the construction sector at 10.2 percent (or 15,200 jobs) for the year ending August 1988. The finance, insurance, and real estate sector improved by 4.5 percent (or 10,100 jobs). The service sector experienced annual growth of 4.4 percent, resulting in 37,800 new jobs.

- Moderate increases were seen in the wholesale and retail trade sector which grew by 2.2 percent or 16,100 new positions. Similarly, public sector employment expanded by approximately 1.3 percent or 4,900 jobs.

Unemployment Rate Declines In August 1988

The Commonwealth registered a seasonally adjusted unemployment rate of 3.3 percent in

(continued on page 9)

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

MASSACHUSETTS

INDUSTRY	EMPLOYMENT			CHANGE			
				Prior Mo.		Year Ago	
	AUG 1988	JULY 1988	AUG 1987	#	%	#	%
NONAGRICULTURAL EMPLOYMENT	3125.9	3119.1	3053.8	6.8	0.2	72.1	2.4
Manufacturing	578.4	573.6	591.1	4.8	0.8	-12.7	-2.1
Durable Goods	383.4	383.2	391.9	0.2	0.1	-8.5	-2.2
Lumber & Furniture	13.6	13.2	13.7	0.4	3.0	-0.1	-0.7
Stone,Clay & Glass	10.9	11.0	10.7	-0.1	-0.9	0.2	1.9
Primary Metals	15.6	15.1	15.2	0.5	3.3	0.4	2.6
Fabricated Metals	39.8	39.5	40.9	0.3	0.8	-1.1	-2.7
Cutlery,Hand tools,Hardware	8.2	8.3	8.6	-0.1	-1.2	-0.4	-4.7
Machinery, except electrical	99.6	100.1	102.1	-0.5	-0.5	-2.5	-2.4
Metalworking machinery	12.6	12.6	12.6	0.0	****	0.0	****
Special industry machinery	10.4	10.4	11.1	0.0	****	-0.7	-6.3
* Office Computing, & Accounting Machines	57.0	57.4	56.5	-0.4	-0.7	0.5	0.9
Electrical & Electronic machinery,equip.,etc.	101.8	101.9	104.1	-0.1	-0.1	-2.3	-2.2
Communications equipment	39.7	40.1	40.5	-0.4	-1.0	-0.8	-2.0
Electronic components	42.1	42.0	41.7	0.1	0.2	0.4	1.0
Transportation equipment	31.5	31.8	32.6	-0.3	-0.9	-1.1	-3.4
Instruments	52.1	52.4	53.7	-0.3	-0.6	-1.6	-3.0
Measuring & Control devices	17.6	17.6	18.9	0.0	****	-1.3	-6.9
Miscellaneous Manufacturing Industries	18.5	18.2	18.9	0.3	1.6	-0.4	-2.1
Jewelry	6.9	6.9	7.3	0.0	****	-0.4	-5.5
Nondurable Goods	195.0	190.4	199.2	4.6	2.4	-4.2	-2.1
Food & kindred products	19.9	19.5	21.0	0.4	2.1	-1.1	-5.2
Textile mill products	15.8	15.5	16.7	0.3	1.9	-0.9	-5.4
Apparel	23.5	21.4	25.6	2.1	9.8	-2.1	-8.2
Mens & Boys suits,coats & furnishings	6.3	5.9	6.7	0.4	6.8	-0.4	-6.0
Paper & allied products	24.1	23.7	24.3	0.4	1.7	-0.2	-0.8
Printing & Publishing	56.5	56.3	55.0	0.2	0.4	1.5	2.7
Chemicals	17.2	17.3	17.5	-0.1	-0.6	-0.3	-1.7
Rubber & miscellaneous Plastic products	27.6	27.1	28.4	0.5	1.8	-0.8	-2.8
Miscellaneous Plastic products	21.2	20.7	21.9	0.5	2.4	-0.7	-3.2
Leather & Leather products	8.6	7.8	9.0	0.8	10.3	-0.4	-4.4
Footwear, except rubber	4.2	3.7	4.5	0.5	13.5	-0.3	-6.7
Mining	2.0	2.0	1.9	0.0	****	0.1	5.3
Construction	164.3	162.2	149.1	2.1	1.3	15.2	10.2
Transportation, Communication & Public Utilities	129.1	129.0	128.5	0.1	0.1	0.6	0.5
Wholesale & Retail trade	739.3	737.3	723.2	2.0	0.3	16.1	2.2
Wholesale Trade	175.9	175.7	170.6	0.2	0.1	5.3	3.1
Retail Trade	563.4	561.6	552.6	1.8	0.3	10.8	2.0
Finance, Insurance & Real Estate	233.1	233.2	223.0	-0.1	****	10.1	4.5
Banking	65.7	65.7	65.3	0.0	****	0.4	0.6
Services	889.7	886.8	851.9	2.9	0.3	37.8	4.4
Health Services	251.6	251.1	243.0	0.5	0.2	8.6	3.5
Educational Services	98.8	99.1	100.2	-0.3	-0.3	-1.4	-1.4
Government	390.0	395.0	385.1	-5.0	-1.3	4.9	1.3
Federal	62.6	62.7	62.2	-0.1	-0.2	0.4	0.6
U.S. Postal Service	28.1	28.0	26.8	0.1	0.4	1.3	4.9
State	102.7	102.7	100.3	0.0	****	2.4	2.4
Educational services	25.5	25.7	25.8	-0.2	-0.8	-0.3	-1.2
Local	224.7	229.6	222.6	-4.9	-2.1	2.1	0.9
Educational services	113.5	117.9	112.3	-4.4	-3.7	1.2	1.1
Other Local	111.2	111.7	110.3	-0.5	-0.4	0.9	0.8
* High Technology Manufacturing	234.7	235.5	239.0	-0.8	-0.3	-4.3	-1.8
* High Technology Nonmanufacturing	91.0	90.7	86.8	0.3	0.3	4.2	4.8

NOTE: By place of work, not comparable to labor force employment statistics
* - Not currently validated by the U.S. Bureau of Labor Statistics

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

BOSTON PMSA

INDUSTRY	EMPLOYMENT			CHANGE			
				Prior Mo.		Year Ago	
	Aug 1988	July 1988	Aug 1987	#	%	#	%
NONAGRICULTURAL EMPLOYMENT	1726.5	1730.0	1695.8	-3.5	-0.2	30.7	1.8
Manufacturing	273.8	273.3	277.6	0.5	0.2	-3.8	-1.4
Durable Goods	194.0	194.3	197.4	-0.3	-0.2	-3.4	-1.7
Primary Metals	3.4	3.1	3.3	0.3	9.7	0.1	3.0
Fabricated Metals	15.3	15.2	16.0	0.1	0.7	-0.7	-4.4
Machinery, except electrical	46.6	46.8	48.0	-0.2	-0.4	-1.4	-2.9
Electrical & Electronic machinery,equip.,etc.	58.6	59.0	58.6	-0.4	-0.7	0.0	****
Transportation equipment	19.7	19.8	20.6	-0.1	-0.5	-0.9	-4.4
Instruments	39.0	39.0	39.4	0.0	****	-0.4	-1.0
Nondurable Goods	79.8	79.0	80.2	0.8	1.0	-0.4	-0.5
Food & kindred products	11.5	11.3	11.6	0.2	1.8	-0.1	-0.9
Textile mill products	2.4	2.3	2.3	0.1	4.3	0.1	4.3
Apparel	6.3	6.1	6.8	0.2	3.3	-0.5	-7.4
Paper & allied products	6.9	6.7	7.1	0.2	3.0	-0.2	-2.8
Printing & Publishing	33.7	33.6	32.9	0.1	0.3	0.8	2.4
Chemicals	8.2	8.2	8.1	0.0	****	0.1	1.2
Rubber & miscellaneous Plastic products	7.9	7.8	8.3	0.1	1.3	-0.4	-4.8
Leather & Leather products	2.2	2.2	2.5	0.0	****	-0.3	-12.0
Mining	1.1	1.1	0.9	0.0	****	0.2	22.2
Construction	79.2	78.3	73.7	0.9	1.1	5.5	7.5
Transportation, Communication & Public Utilities	75.4	75.3	74.1	0.1	0.1	1.3	1.8
Wholesale & Retail trade	385.0	385.4	380.7	-0.4	-0.1	4.3	1.1
Finance, Insurance & Real Estate	157.2	156.7	152.6	0.5	0.3	4.6	3.0
Banking	44.6	44.2	43.7	0.4	0.9	0.9	2.1
Insurance	36.7	36.8	36.9	-0.1	-0.3	-0.2	-0.5
Services	560.3	560.2	541.9	0.1	****	18.4	3.4
Health Services	141.4	141.4	138.3	0.0	****	3.1	2.2
Educational Services	71.5	72.4	71.8	-0.9	-1.2	-0.3	-0.4
Government	194.5	199.7	194.3	-5.2	-2.6	0.2	0.1
Federal	38.2	38.3	38.9	-0.1	-0.3	-0.7	-1.8
U.S. Postal Service	15.4	15.4	15.0	0.0	****	0.4	2.7
Federal Hospitals	5.0	4.9	5.3	0.1	2.0	-0.3	-5.7
State	52.6	52.8	50.4	-0.2	-0.4	2.2	4.4
State Hospitals	5.0	5.2	4.8	-0.2	-3.8	0.2	4.2
Educational services	8.6	8.6	8.1	0.0	****	0.5	6.2
Local	103.7	108.6	105.0	-4.9	-4.5	-1.3	-1.2

NOTE: By place of work, not comparable to labor force employment statistics

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

INDUSTRY	EMPLOYMENT			CHANGE			
				Prior Mo.		Year Ago	
	Aug 1988	July 1988	Aug 1987	#	%	#	%
SPRINGFIELD MSA							
NONAGRICULTURAL EMPLOYMENT	238.8	239.6	234.5	-0.8	-0.3	4.3	1.8
Manufacturing	50.6	50.3	50.5	0.3	0.6	0.1	0.2
Durable Goods	26.1	25.8	25.7	0.3	1.2	0.4	1.6
Fabricated Metals	7.3	7.0	6.9	0.3	4.3	0.4	5.8
Machinery, except electrical	6.5	6.5	6.2	0.0	****	0.3	4.8
Nondurable Goods	24.5	24.5	24.8	0.0	****	-0.3	-1.2
Textile mill products	1.5	1.4	1.5	0.1	7.1	0.0	****
Apparel	0.7	0.8	1.0	-0.1	-12.5	-0.3	-30.0
Paper & allied products	7.9	7.9	7.7	0.0	****	0.2	2.6
Printing & Publishing	6.2	6.2	6.3	0.0	****	-0.1	-1.6
Mining	0.1	0.1	0.1	0.0	****	0.0	****
Construction	11.2	11.0	10.9	0.2	1.8	0.3	2.8
Transportation, Communication & Public Utilities	9.6	9.5	9.2	0.1	1.1	0.4	4.3
Wholesale & Retail trade	57.4	56.9	55.9	0.5	0.9	1.5	2.7
Finance, Insurance & Real Estate	16.8	17.0	16.6	-0.2	-1.2	0.2	1.2
Services	58.6	58.3	55.9	0.3	0.5	2.7	4.8
Government	34.5	36.5	35.4	-2.0	-5.5	-0.9	-2.5
Federal	6.3	6.3	6.3	0.0	****	0.0	****
State	8.2	8.4	8.1	-0.2	-2.4	0.1	1.2
Local	20.0	21.8	21.0	-1.8	-8.3	-1.0	-4.8
WORCESTER MSA							
NONAGRICULTURAL EMPLOYMENT	204.2	204.1	197.4	0.1	****	6.8	3.4
Manufacturing	45.8	45.6	45.9	0.2	0.4	-0.1	-0.2
Durable Goods	30.7	30.7	30.3	0.0	****	0.4	1.3
Primary Metals	2.1	2.2	2.0	-0.1	-4.5	0.1	5.0
Fabricated Metals	6.9	6.9	6.7	0.0	****	0.2	3.0
Machinery, except electrical	9.9	9.8	10.0	0.1	1.0	-0.1	-1.0
Nondurable Goods	15.1	14.9	15.6	0.2	1.3	-0.5	-3.2
Textile mill products	2.6	2.5	2.8	0.1	4.0	-0.2	-7.1
Leather & Leather products	0.5	0.4	0.7	0.1	25.0	-0.2	-28.6
Mining	0.2	0.2	0.1	0.0	****	0.1	100.0
Construction	11.3	11.1	10.1	0.2	1.8	1.2	11.9
Transportation, Communication & Public Utilities	8.4	8.5	8.7	-0.1	-1.2	-0.3	-3.4
Wholesale & Retail trade	47.8	47.6	47.2	0.2	0.4	0.6	1.3
Finance, Insurance & Real Estate	15.6	15.4	14.4	0.2	1.3	1.2	8.3
Services	52.2	51.8	48.1	0.4	0.8	4.1	8.5
Government	22.9	23.9	22.9	-1.0	-4.2	0.0	****

NOTE: By place of work, not comparable to labor force employment statistics

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

INDUSTRY	EMPLOYMENT			CHANGE			
				Prior Mo.		Year Ago	
	Aug 1988	July 1988	Aug 1987	#	%	#	%
BROCKTON PMSA							
NONAGRICULTURAL EMPLOYMENT	74.2	74.0	71.8	0.2	0.3	2.4	3.3
Manufacturing	11.4	11.1	11.4	0.3	2.7	0.0	****
Durable Goods	6.4	6.2	6.2	0.2	3.2	0.2	3.2
Electrical & Electronic machinery,equip.,etc.	1.3	1.3	1.3	0.0	****	0.0	****
Nondurable Goods	5.0	4.9	5.2	0.1	2.0	-0.2	-3.8
Construction	4.6	4.6	4.1	0.0	****	0.5	12.2
Transportation, Communication & Public Utilities	4.9	4.9	4.9	0.0	****	0.0	****
Wholesale & Retail trade	23.3	23.3	21.9	0.0	****	1.4	6.4
Finance, Insurance & Real Estate	3.3	3.3	3.2	0.0	****	0.1	3.1
Services	15.8	15.6	15.0	0.2	1.3	0.8	5.3
Government	10.9	11.2	11.3	-0.3	-2.7	-0.4	-3.5
Federal	3.2	3.2	3.0	0.0	****	0.2	6.7
State	2.5	2.4	2.4	0.1	4.2	0.1	4.2
Local	5.2	5.6	5.9	-0.4	-7.1	-0.7	-11.9
LAWRENCE - HAVERHILL MASS. - N.H. PMSA							
NONAGRICULTURAL EMPLOYMENT	162.9	162.6	160.9	0.3	0.2	2.0	1.2
Manufacturing	49.3	48.9	50.7	0.4	0.8	-1.4	-2.8
Durable Goods	35.8	35.7	36.9	0.1	0.3	-1.1	-3.0
Nondurable Goods	13.5	13.2	13.8	0.3	2.3	-0.3	-2.2
Leather & Leather products	1.9	1.5	1.9	0.4	26.7	0.0	****
Construction	9.1	9.0	8.8	0.1	1.1	0.3	3.4
Transportation, Communication & Public Utilities	6.2	6.2	6.5	0.0	****	-0.3	-4.6
Wholesale & Retail trade	38.2	38.1	36.5	0.1	0.3	1.7	4.7
Finance, Insurance & Real Estate	6.7	6.7	6.5	0.0	****	0.2	3.1
Services	35.2	35.1	33.6	0.1	0.3	1.6	4.8
Government	18.2	18.6	18.3	-0.4	-2.2	-0.1	-0.5

NOTE: By place of work, not comparable to labor force employment statistics

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

INDUSTRY	EMPLOYMENT			CHANGE			
				Prior Mo.		Year Ago	
	Aug 1988	July 1988	Aug 1987	#	%	#	%
***PITTSFIELD MSA**							
NONAGRICULTURAL EMPLOYMENT	43.7	43.4	42.6	0.3	0.7	1.1	2.6
Mining	0.1	0.1	0.1	0.0	****	0.0	****
Manufacturing	10.7	10.7	11.8	0.0	****	-1.1	-9.3
Machinery	6.0	6.2	7.1	-0.2	-3.2	-1.1	-15.5
All other manufacturing	4.7	4.5	4.7	0.2	4.4	0.0	****
Construction	3.1	3.0	2.7	0.1	3.3	0.4	14.8
Transportation, Communication & Public Utilities	1.1	1.1	1.0	0.0	****	0.1	10.0
Wholesale & Retail trade	10.3	10.2	9.9	0.1	1.0	0.4	4.0
Finance, Insurance & Real Estate	2.3	2.2	2.2	0.1	4.5	0.1	4.5
Services	11.4	11.4	10.7	0.0	****	0.7	6.5
Government	4.7	4.7	4.2	0.0	****	0.5	11.9
NEW BEDFORD MSA							
NONAGRICULTURAL EMPLOYMENT	69.0	68.0	66.6	1.0	1.5	2.4	3.6
Manufacturing	19.0	18.2	19.2	0.8	4.4	-0.2	-1.0
Durable Goods	8.0	7.9	8.1	0.1	1.3	-0.1	-1.2
Primary & Fabricated Metals	2.3	2.3	2.7	0.0	****	-0.4	-14.8
Nondurable Goods	11.0	10.3	11.1	0.7	6.8	-0.1	-0.9
Apparel	5.9	5.4	5.8	0.5	9.3	0.1	1.7
Construction	3.7	3.9	3.4	-0.2	-5.1	0.3	8.8
Transportation, Communication & Public Utilities	3.0	3.1	2.8	-0.1	-3.2	0.2	7.1
Wholesale & Retail trade	17.2	17.0	16.5	0.2	1.2	0.7	4.2
Finance, Insurance & Real Estate	2.7	2.7	2.5	0.0	****	0.2	8.0
Services	13.8	13.7	13.0	0.1	0.7	0.8	6.2
Government	9.6	9.4	9.2	0.2	2.1	0.4	4.3
FALL RIVER MASS. - R.I. PMSA							
NONAGRICULTURAL EMPLOYMENT	55.8	54.3	55.5	1.5	2.8	0.3	0.5
Manufacturing	15.3	14.2	17.1	1.1	7.7	-1.8	-10.5
Textile mill products	3.9	3.8	4.4	0.1	2.6	-0.5	-11.4
All other manufacturing	11.4	10.4	12.7	1.0	9.6	-1.3	-10.2
Construction	2.9	2.8	2.5	0.1	3.6	0.4	16.0
Transportation, Communication & Public Utilities	1.9	1.8	1.8	0.1	5.6	0.1	5.6
Wholesale & Retail trade	16.0	15.6	15.0	0.4	2.6	1.0	6.7
Finance, Insurance & Real Estate	3.2	3.2	3.0	0.0	****	0.2	6.7
Services	10.8	10.8	10.4	0.0	****	0.4	3.8
Government	5.7	5.9	5.7	-0.2	-3.4	0.0	****

NOTE: By place of work, not comparable to labor force employment statistics

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

INDUSTRY	EMPLOYMENT			CHANGE			
				Prior Mo.		Year Ago	
	Aug 1988	July 1988	Aug 1987	#	%	#	%
FITCHBURG - LEOMINSTER MSA							
NONAGRICULTURAL EMPLOYMENT	39.1	38.6	38.8	0.5	1.3	0.3	0.8
Manufacturing	11.2	10.8	11.5	0.4	3.7	-0.3	-2.6
Durable Goods	4.6	4.6	4.6	0.0	****	0.0	****
Machinery, except electrical	2.9	3.0	2.9	-0.1	-3.3	0.0	****
Nondurable Goods	6.6	6.2	6.9	0.4	6.5	-0.3	-4.3
Rubber & miscellaneous Plastic products	3.3	3.1	3.6	0.2	6.5	-0.3	-8.3
Construction	3.1	3.0	2.8	0.1	3.3	0.3	10.7
Transportation, Communication & Public Utilities	1.5	1.6	1.5	-0.1	-6.3	0.0	****
Wholesale & Retail trade	9.9	9.8	9.9	0.1	1.0	0.0	****
Finance, Insurance & Real Estate	2.0	1.9	1.8	0.1	5.3	0.2	11.1
Services	8.1	8.2	7.8	-0.1	-1.2	0.3	3.8
Government	3.3	3.3	3.5	0.0	****	-0.2	-5.7
LOWELL MASS. - N.H. PMSA							
NONAGRICULTURAL EMPLOYMENT	105.4	105.1	103.7	0.3	0.3	1.7	1.6
Mining	0.1	0.1	0.2	0.0	****	-0.1	-50.0
Manufacturing	35.6	35.4	35.8	0.2	0.6	-0.2	-0.6
Construction	6.7	6.7	5.9	0.0	****	0.8	13.6
Transportation, Communication & Public Utilities	3.2	3.2	3.5	0.0	****	-0.3	-8.6
Wholesale & Retail trade	22.4	22.2	21.8	0.2	0.9	0.6	2.8
Finance, Insurance & Real Estate	4.3	4.3	4.3	0.0	****	0.0	****
Services	20.5	20.5	20.1	0.0	****	0.4	2.0
Government	12.6	12.7	12.1	-0.1	-0.8	0.5	4.1
***SALEM - GLOUCESTER PMSA**							
NONAGRICULTURAL EMPLOYMENT	114.5	114.7	111.5	-0.2	-0.2	3.0	2.7
Manufacturing	21.2	21.1	21.7	0.1	0.5	-0.5	-2.3
Durable Goods	14.8	14.8	15.0	0.0	****	-0.2	-1.3
Nondurable Goods	6.5	6.4	6.7	0.1	1.6	-0.2	-3.0
Construction	5.8	5.7	5.3	0.1	1.8	0.5	9.4
Transportation, Communication & Public Utilities	3.8	3.8	3.6	0.0	****	0.2	5.6
Wholesale & Retail trade	34.1	33.9	33.5	0.2	0.6	0.6	1.8
Finance, Insurance & Real Estate	6.5	6.5	5.7	0.0	****	0.8	14.0
Services	28.8	28.7	27.9	0.1	0.3	0.9	3.2
Government	14.1	14.9	13.9	-0.8	-5.4	0.2	1.4

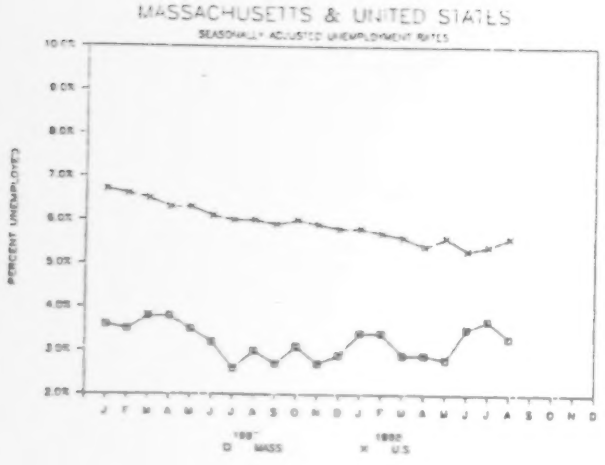
NOTE: By place of work, not comparable to labor force employment statistics
* - Not currently validated by the U.S. Bureau of Labor Statistics

Nonagricultural Wage and Salary Employment
AVERAGE HOURS AND EARNINGS OF PRODUCTION WORKERS BY INDUSTRY
MANUFACTURING

Area	Average Weekly Hours			Average Hourly Earnings		
	AUG 88	JULY 88	AUG 87	AUG 88	JULY 88	AUG 87
UNITED STATES	40.8	40.7	40.9	$10.11	$10.16	$9.87
MASSACHUSETTS	41.1	41.4	41.2	10.25	$10.32	9.83
BOSTON	41.4	41.8	40.5	10.99	11.05	10.71
BROCKTON	0.0	40.2	40.5	0.0	8.41	8.10
FALL RIVER	37.4	36.8	38.2	7.76	7.71	7.54
LAWRENCE-HAVERHILL	40.6	40.3	40.7	10.11	10.19	9.90
LOWELL	41.1	41.8	42.4	10.20	10.13	10.11
NEW BEDFORD	38.2	38.3	37.9	8.73	8.78	8.30
SPRINGFIELD	42.9	43.0	42.4	9.76	9.79	9.27
WORCESTER	40.4	40.5	40.8	10.45	10.51	9.92

Nonagricultural Wage and Salary Employment
AVERAGE HOURS AND EARNINGS OF PRODUCTION WORKERS BY INDUSTRY
MASSACHUSETTS

Industry	Average Weekly Hours			Average Hourly Earnings		
	AUG 88	JULY 88	AUG 87	AUG 88	JULY 88	AUG 87
MANUFACTURING	41.1	41.4	41.2	10.25	10.32	9.83
DURABLE GOODS	41.5	41.8	41.9	10.67	10.75	10.29
LUMBER & FURNITURE	39.8	38.7	40.9	8.01	8.11	7.59
STONE, CLAY & GLASS	41.5	41.7	41.3	12.61	12.84	12.17
PRIMARY METALS	41.6	40.2	42.9	9.81	9.97	9.56
FABRICATED METALS	41.0	40.6	40.4	10.67	10.77	10.18
CUTLERY, ETC.	45.1	43.3	44.3	11.29	11.05	11.16
MACHINERY, EX. ELEC.	42.6	42.2	41.8	10.91	10.98	10.69
METALWORKING MACH.	42.7	42.6	43.4	11.26	11.41	11.16
SPECIAL INDU. MACH.	43.6	43.5	41.8	12.01	12.14	11.77
ELEC. & ELECTRON. MACH.	40.2	41.0	42.1	10.23	10.22	9.69
COMMUNICATIONS EQUIP.	39.5	39.6	42.0	10.69	10.52	10.52
ELECTRONIC COMP.	41.1	42.3	43.3	10.15	10.22	9.79
TRANSPORTATION EQUIP.	42.7	45.2	44.2	12.94	12.97	12.51
INSTRUMENTS	42.5	43.2	42.1	11.03	11.03	11.10
MEAS. & CONTROL DEVICES	44.8	44.7	42.0	8.40	8.54	8.21
MISC. MANUFAC. IND.	42.6	41.5	41.9	9.18	9.07	8.76
JEWELRY	40.8	41.2	41.1	8.13	7.85	7.50
NONDURABLE GOODS	40.5	40.9	40.0	9.62	9.66	9.06
FOOD & KINDRED PROD.	40.1	41.5	41.6	10.22	10.27	10.04
TEXTILE MILL PROD.	42.5	42.8	42.4	8.77	8.69	8.11
APPAREL	37.8	39.5	40.0	6.73	6.48	6.48
MENS & BOYS SUITS	38.9	40.0	41.6	7.15	7.26	7.36
PAPER & ALLIED PRODUCTS	44.3	44.3	43.7	10.33	10.44	9.58
PRINTING & PUBLISHING	37.9	37.7	37.0	10.37	10.43	10.09
CHEMICALS	42.4	43.0	39.9	12.11	11.93	11.50
RUBBER & PLASTIC PROD.	43.0	43.5	40.8	9.63	9.64	8.63
MISC. PLAS. PROD.	41.8	42.1	39.9	9.58	9.61	8.16
LEATHER & LEATHER PROD.	37.3	33.3	36.4	7.56	7.60	7.27
FOOTWEAR, EX. RUBBER	37.8	35.2	35.9	6.70	6.64	6.64



(continued from page 1)

August 1988, down from 3.7 percent in July 1988. The total number of employed people grew slightly over the month, and unemployment levels declined markedly.

- Massachusetts' August unemployment rate ranked as the second lowest of the eleven major industrial states. The Bay State's rate was very close to that of leader, North Carolina, with rates of 3.3 percent versus 3.1 percent. Michigan had the highest unemployment rate at 7.4 percent. The national rate increased slightly in August to 5.5 percent (seasonally adjusted) from July's 5.4 percent.

- The Boston PMSA's seasonally unadjusted unemployment rate of 2.7 percent continued to rank as the lowest of the major labor areas. Other areas experiencing low unemployment rates include: the Worcester MSA (2.9 percent), the Salem-Gloucester PMSA (3.0 percent), and the Springfield MSA (3.1 percent).

- The Fall River PMSA and Fitchburg-Leominster MSA unemployment rates ranked as the highest in the state at 4.6 percent and 4.4 percent respectively.

- In the smaller areas, the island counties of Nantucket and Dukes posted rates of 0.7 percent and 0.9 percent respectively. Increased summer business creates a tight labor market in both areas. The highest unemployment rates continued to be found in the north-central and north-west parts of the state with rates of 5.4 percent in the Athol LMA, and 4.5 percent in the Gardner LMA and the North Adams LMA.

High Technology Employment Remains Stable

Employment in the high technology industries totalled 325,700 in August 1988; 10.4 percent of total nonagricultural employment in the Commonwealth. High technology manufacturing industries composed 40 percent of total manufacturing employment in August 1988, the same as in August 1987.

Since August 1987, the high technology nonmanufacturing industries added 4,200 jobs, a growth rate of 4.8 percent. High technology manufacturing employment dropped 1.8 percent or 4,300 over the year.

UNEMPLOYMENT RATES
UNITED STATES AND MASSACHUSETTS
SEASONALLY ADJUSTED

(In Thousands)

	August 1988	July 1988	August 1987
United States	5.6	5.4	6.0
Massachusetts	3.3	3.7	3.0
Labor Force	3,119.0	3,137.0	3,099.0
Employed	3,015.0	3,020.0	3,006.0
Unemployed	104.0	117.0	93.0

LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT
UNITED STATES, MASSACHUSETTS AND THE LABOR AREA
NOT SEASONALLY ADJUSTED

(In Thousands)

AREA	August 1988	July 1988	August 1987
UNITED STATES			
LABOR FORCE	123,396,000	123,889,000	121,615,000
EMPLOYMENT	116,737,000	117,066,000	114,527,000
UNEMPLOYMENT	6,659,000	6,823,000	7,088,000
PERCENT UNEMPLOYED	5.4	5.5	5.8
MASSACHUSETTS			
LABOR FORCE	3,186,500	3,200,400	3,165,100
EMPLOYMENT	3,087,800	3,084,800	3,076,100
UNEMPLOYMENT	98,700	115,600	89,000
PERCENT UNEMPLOYED	3.1	3.6	2.8
MAJOR LABOR AREAS			
BOSTON PMSA			
LABOR FORCE	1,565,300	1,569,910	1,560,130
EMPLOYMENT	1,522,460	1,521,030	1,520,370
UNEMPLOYMENT	42,840	48,880	39,760
PERCENT UNEMPLOYED	2.7	3.1	2.5
BROCKTON PMSA			
LABOR FORCE	100,740	101,590	98,950
EMPLOYMENT	97,000	97,190	95,770
UNEMPLOYMENT	3,740	4,400	3,180
PERCENT UNEMPLOYED	3.7	4.3	3.2
FALL RIVER PMSA			
LABOR FORCE	76,630	75,950	77,250
EMPLOYMENT	73,110	71,320	73,990
UNEMPLOYMENT	3,520	4,630	3,270
PERCENT UNEMPLOYED	4.6	6.1	4.2
FITCHBURG-LEOMINSTER MSA			
LABOR FORCE	44,810	45,040	45,500
EMPLOYMENT	42,840	42,590	43,770
UNEMPLOYMENT	1,980	2,460	1,720
PERCENT UNEMPLOYED	4.4	5.5	3.8
LAWRENCE-HAVERHILL PMSA			
LABOR FORCE	184,920	185,230	186,520
EMPLOYMENT	177,560	177,040	178,770
UNEMPLOYMENT	7,360	8,190	7,750
PERCENT UNEMPLOYED	4.0	4.4	4.2
LOWELL PMSA			
LABOR FORCE	150,880	152,260	151,710
EMPLOYMENT	145,480	146,400	147,000
UNEMPLOYMENT	5,400	5,860	4,700
PERCENT UNEMPLOYED	3.6	3.8	3.1
NEW BEDFORD MSA			
LABOR FORCE	88,790	88,290	85,930
EMPLOYMENT	84,990	83,510	82,610
UNEMPLOYMENT	3,810	4,790	3,320
PERCENT UNEMPLOYED	4.3	5.4	3.9

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment.

LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT
UNITED STATES, MASSACHUSETTS AND THE LABOR AREA
NOT SEASONALLY ADJUSTED

(In Thousands)

AREA	August 1988	July 1988	August 1987
PITTSFIELD MSA			
LABOR FORCE	42,560	43,030	42,100
EMPLOYMENT	40,730	41,010	40,640
UNEMPLOYMENT	1,830	2,020	1,460
PERCENT UNEMPLOYED	4.3	4.7	3.5
SALEM-GLOUCESTER PMSA			
LABOR FORCE	157,220	158,520	155,970
EMPLOYMENT	152,540	152,510	151,910
UNEMPLOYMENT	4,690	6,010	4,060
PERCENT UNEMPLOYED	3.0	3.8	2.6
SPRINGFIELD MSA			
LABOR FORCE	255,440	257,210	254,620
EMPLOYMENT	247,400	247,860	247,520
UNEMPLOYMENT	8,040	9,350	7,100
PERCENT UNEMPLOYED	3.1	3.6	2.8
WORCESTER MSA			
LABOR FORCE	221,770	223,450	218,220
EMPLOYMENT	215,240	215,780	212,470
UNEMPLOYMENT	6,530	7,670	5,750
PERCENT UNEMPLOYED	2.9	3.4	2.6
OTHER LABOR AREAS			
AMHERST LMA			
LABOR FORCE	30,990	31,430	30,230
EMPLOYMENT	30,210	30,530	29,460
UNEMPLOYMENT	780	900	770
PERCENT UNEMPLOYED	2.5	2.9	2.6
ATHOL LMA			
LABOR FORCE	10,070	10,370	10,040
EMPLOYMENT	9,530	9,680	9,630
UNEMPLOYMENT	540	690	410
PERCENT UNEMPLOYED	5.4	6.6	4.1
ATTLEBORO LMA			
LABOR FORCE	50,420	50,270	49,430
EMPLOYMENT	48,190	47,790	47,400
UNEMPLOYMENT	2,240	2,490	2,020
PERCENT UNEMPLOYED	4.4	4.9	4.1
BARNSTABLE LMA			
LABOR FORCE	121,900	122,810	116,970
EMPLOYMENT	118,490	118,950	114,360
UNEMPLOYMENT	3,410	3,860	2,610
PERCENT UNEMPLOYED	2.8	3.1	2.2
DUKES COUNTY LMA			
LABOR FORCE	11,030	10,850	10,070
EMPLOYMENT	10,930	10,720	9,970
UNEMPLOYMENT	100	130	110
PERCENT UNEMPLOYED	0.9	1.2	1.1

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment.

LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT
UNITED STATES, MASSACHUSETTS AND THE LABOR AREA
NOT SEASONALLY ADJUSTED

(In Thousands)

AREA	August 1988	July 1988	August 1987
GARDNER LMA			
LABOR FORCE	14,650	14,890	14,760
EMPLOYMENT	14,000	13,910	14,150
UNEMPLOYMENT	650	970	610
PERCENT UNEMPLOYED	4.5	6.5	4.1
GREAT BARRINGTON LMA			
LABOR FORCE	9,830	9,840	9,960
EMPLOYMENT	9,630	9,600	9,700
UNEMPLOYMENT	200	240	260
PERCENT UNEMPLOYED	2.0	2.4	2.6
GREENFIELD LMA			
LABOR FORCE	26,370	26,340	26,200
EMPLOYMENT	25,680	25,450	25,610
UNEMPLOYMENT	690	890	590
PERCENT UNEMPLOYED	2.6	3.4	2.3
NANTUCKET LMA			
LABOR FORCE	8,360	8,320	8,020
EMPLOYMENT	8,300	8,270	7,990
UNEMPLOYMENT	60	50	20
PERCENT UNEMPLOYED	0.7	0.6	0.3
NORTH ADAMS LMA			
LABOR FORCE	19,770	19,990	19,360
EMPLOYMENT	18,870	18,970	18,650
UNEMPLOYMENT	890	1,020	710
PERCENT UNEMPLOYED	4.5	5.1	3.7
SOUTHBRIDGE LMA			
LABOR FORCE	12,980	13,210	13,660
EMPLOYMENT	12,480	12,590	13,200
UNEMPLOYMENT	500	620	460
PERCENT UNEMPLOYED	3.8	4.7	3.4
TAUNTON LMA			
LABOR FORCE	26,760	27,060	26,380
EMPLOYMENT	25,740	25,670	25,450
UNEMPLOYMENT	1,020	1,390	930
PERCENT UNEMPLOYED	3.8	5.1	3.5
WARE LMA			
LABOR FORCE	8,060	7,960	8,180
EMPLOYMENT	7,740	7,580	7,890
UNEMPLOYMENT	330	370	290
PERCENT UNEMPLOYED	4.1	4.7	3.6
BALANCE of WESTERN MASS EA			
LABOR FORCE	10,330	9,820	9,860
EMPLOYMENT	10,050	9,490	9,580
UNEMPLOYMENT	290	330	280
PERCENT UNEMPLOYED	2.8	3.4	2.8

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment.

LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT
MASSACHUSETTS CITIES AND TOWNS

AUGUST 1988 PRELIMINARY ESTIMATES

City or Town Name	Labor Force	Employ-ment	Unemploy-ment	Rate
ABINGTON	7,795	7,526	269	3.5
ACTON	10,182	10,037	145	1.4
ACUSHNET	5,363	5,158	205	3.8
ADAMS	5,143	4,897	246	4.8
AGAWAM	14,521	14,188	333	2.3
ALFORD	249	245	4	1.6
AMESBURY	7,361	7,065	296	4.0
AMHERST	19,578	19,146	432	2.2
ANDOVER	13,905	13,594	311	2.2
ARLINGTON	26,710	26,119	591	2.2
ASHBURNHAM	2,289	2,210	79	3.5
ASHBY	1,219	1,167	52	4.3
ASHFIELD	902	873	29	3.2
ASHLAND	7,138	6,990	148	2.3
ATHOL	4,369	4,145	224	5.1
ATTLEBORO	19,090	18,080	1,010	5.3
AUBURN	8,635	8,466	169	2.0
AVON	2,942	2,840	102	3.5
AYER	3,610	3,451	159	4.4
BARNSTABLE	25,224	24,177	1,047	4.2
BARRE	2,321	2,261	60	2.6
BECKET	853	828	25	2.9
BEDFORD	6,917	6,767	150	2.2
BELCHERTOWN	4,851	4,722	129	2.7
BELLINGHAM	7,637	7,366	271	3.5
BELMONT	14,195	13,979	216	1.5
BERKLEY	1,771	1,691	80	4.5
BERLIN	1,286	1,261	25	1.9
BERNARDSTON	1,008	982	26	2.6
BEVERLY	23,059	22,506	553	2.4
BILLERICA	22,747	22,028	719	3.2
BLACKSTONE	3,481	3,304	177	5.1
BLANDFORD	656	647	9	1.4
BOLTON	1,686	1,636	50	3.0
BOSTON	303,706	293,249	10,457	3.4
BOURNE	9,226	8,935	291	3.2
BOXBOROUGH	2,076	2,045	31	1.5
BOXFORD	3,038	2,986	52	1.7
BOYLSTON	2,152	2,109	43	2.0
BRAINTREE	19,420	18,894	526	2.7
BREWSTER	4,199	4,127	72	1.7
BRIDGEWATER	9,671	9,369	302	3.1
BRIMFIELD	1,186	1,154	32	2.7
BROCKTON	49,709	47,523	2,186	4.4
BROOKFIELD	1,507	1,465	42	2.8
BROOKLINE	32,598	31,979	619	1.9
BUCKLAND	997	986	11	1.1
BURLINGTON	13,877	13,525	352	2.5
CAMBRIDGE	54,781	53,469	1,312	2.4
CANTON	10,361	10,153	208	2.0
CARLISLE	2,284	2,226	38	1.7
CARVER	4,643	4,503	140	3.0
CHARLEMONT	654	634	20	3.1
CHARLTON	4,216	4,101	115	2.7
CHATHAM	3,913	3,859	54	1.4
CHELMSFORD	19,645	18,942	703	3.6
CHELSEA	11,708	11,180	528	4.5
CHESHIRE	1,750	1,708	42	2.4
CHESTER	628	600	28	4.5
CHESTERFIELD	697	681	16	2.3
CHICOPEE	29,287	28,372	915	3.1
CHILMARK	652	644	8	1.2
CLARKSBURG	973	949	24	2.5
CLINTON	6,833	6,600	233	3.4
COHASSET	3,906	3,801	105	2.7
COLRAIN	889	857	32	3.6
CONCORD	9,282	9,147	135	1.5
CONWAY	831	811	20	2.4
CUMMINGTON	465	450	15	3.2
DALTON	3,466	3,337	129	3.7
DANVERS	14,984	14,703	281	1.9
DARTMOUTH	14,306	13,810	496	3.5
DEDHAM	13,610	13,361	249	1.8
DEERFIELD	2,864	2,809	55	1.9
DENNIS	8,455	8,230	225	2.7
DIGHTON	2,682	2,598	84	3.1
DOUGLAS	2,407	2,315	92	3.8
DOVER	2,469	2,439	30	1.2
DRACUT	15,054	14,531	523	3.5
DUDLEY	5,078	4,921	157	3.1
DUNSTABLE	1,223	1,208	15	1.2
DUXBURY	6,831	6,686	145	2.1

City or Town Name	Labor Force	Employ-ment	Unemploy-ment	Rate
EAST BRIDGEWATER	5,495	5,331	164	3.0
EAST BROOKFIELD	972	943	29	3.0
EAST LONGMEADOW	8,428	8,295	133	2.1
EASTHAM	2,879	2,803	76	2.6
EASTHAMPTON	8,879	8,637	242	2.7
EASTON	21,133	20,868	265	2.4
EDGARTOWN	3,082	3,051	31	1.0
EGREMONT	878	866	12	1.4
ERVING	561	543	18	3.2
ESSEX	1,788	1,734	54	3.0
EVERETT	18,982	18,287	695	3.7
FAIRHAVEN	8,284	7,954	330	4.0
FALL RIVER	43,005	40,655	2,350	5.5
FALMOUTH	17,094	16,663	431	2.5
FITCHBURG	17,779	16,916	863	4.9
FLORIDA	376	346	30	8.0
FOXBOROUGH	8,137	8,015	122	1.5
FRAMINGHAM	39,397	38,724	673	2.2
FRANKLIN	10,239	9,924	315	3.1
FREETOWN	4,387	4,250	137	3.1
GARDNER	8,115	7,771	344	4.2
GAY HEAD	184	184	0	0.0
GEORGETOWN	3,111	3,007	104	3.3
GILL	756	745	11	1.5
GLOUCESTER	16,535	15,319	1,216	7.4
GOSHEN	487	474	13	2.7
GOSNOLD	60	53	7	11.7
GRAFTON	6,943	6,799	144	2.1
GRANBY	2,862	2,781	81	2.8
GRANVILLE	793	772	21	2.6
GREAT BARRINGTON	4,253	4,153	100	2.4
GREENFIELD	9,611	9,353	258	2.7
GROTON	3,921	3,849	72	1.8
GROVELAND	2,713	2,633	80	2.9
HADLEY	3,032	2,910	122	4.0
HALIFAX	3,018	2,911	107	3.5
HAMILTON	4,297	4,231	66	1.5
HAMPDEN	2,282	2,226	56	2.5
HANCOCK	329	324	5	1.5
HANOVER	6,130	6,005	125	2.0
HANSON	4,462	4,315	147	3.3
HARDWICK	869	850	19	2.2
HARVARD	3,465	3,429	36	1.0
HARWICH	5,779	5,676	103	1.8
HATFIELD	2,168	2,093	75	3.5
HAVERHILL	23,592	22,560	1,032	4.4
HAWLEY	194	187	7	3.6
HEATH	299	296	3	1.0
HINGHAM	10,245	10,029	216	2.1
HINSDALE	909	845	64	7.0
HOLBROOK	6,213	6,038	175	2.8
HOLDEN	7,746	7,600	146	1.9
HOLLAND	754	743	11	1.5
HOLLISTON	7,589	7,393	196	2.6
HOLYOKE	18,097	17,344	753	4.2
HOPEDALE	2,095	2,019	76	3.6
HOPKINTON	4,989	4,894	95	1.9
HUBBARDSTON	865	829	36	4.2
HUDSON	10,640	10,353	287	2.7
HULL	4,784	4,549	235	4.9
HUNTINGTON	927	893	34	3.7
IPSWICH	7,077	6,912	165	2.3
KINGSTON	4,292	4,172	120	2.8
LAKEVILLE	3,642	3,578	64	1.8
LANCASTER	3,226	3,158	68	2.1
LANESBOROUGH	1,674	1,632	42	2.5
LAWRENCE	29,928	27,297	1,631	5.6
LEE	3,114	2,996	118	3.8
LEICESTER	5,290	5,166	124	2.3
LENOX	3,489	3,416	73	2.1
LEOMINSTER	16,572	15,865	707	4.3
LEVERETT	1,115	1,098	17	1.5
LEXINGTON	16,909	16,640	269	1.6
LEYDEN	361	355	6	1.7
LINCOLN	3,535	3,494	41	1.2
LITTLETON	4,146	4,081	65	1.6
LONGMEADOW	7,857	7,720	137	1.7
LOWELL	52,864	50,561	2,303	4.4
LUDLOW	10,427	10,155	272	2.6
LUNENBURG	4,308	4,131	177	4.1
LYNN	40,452	38,781	1,671	4.1
LYNNFIELD	6,201	6,075	126	2.0

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment

AUGUST 1988 PRELIMINARY ESTIMATES

City or Town Name	Labor Force	Employ-ment	Unemploy-ment	Rate
MALDEN	29,209	28,217	992	3.4
MANCHESTER	3,007	2,949	58	1.9
MANSFIELD	8,337	8,220	117	1.4
MARBLEHEAD	12,033	11,817	216	1.8
MARION	2,112	2,036	76	3.6
MARLBOROUGH	19,017	18,504	513	2.7
MARSHFIELD	11,955	11,576	379	3.2
MASHPEE	4,275	4,174	101	2.4
MATTAPOISETT	3,298	3,213	85	2.6
MAYNARD	5,764	5,646	118	2.0
MEDFIELD	5,655	5,540	115	2.0
MEDFORD	31,204	30,336	868	2.8
MEDWAY	5,197	5,056	141	2.7
MELROSE	16,015	15,615	400	2.5
MENDON	1,911	1,863	48	2.5
MERRIMAC	2,477	2,359	118	4.8
METHUEN	21,351	20,662	689	3.2
MIDDLEBOROUGH	8,245	7,976	269	3.3
MIDDLEFIELD	211	210	1	0.5
MIDDLETON	3,058	2,980	78	2.6
MILFORD	13,502	13,005	497	3.7
MILLBURY	6,433	6,254	179	2.8
MILLIS	4,026	3,939	87	2.2
MILLVILLE	991	936	55	5.5
MILTON	13,219	12,931	288	2.2
MONROE	64	60	4	6.3
MONSON	3,687	3,546	141	3.8
MONTAGUE	4,356	4,236	120	2.8
MONTEREY	647	637	10	1.5
MONTGOMERY	309	308	1	0.3
MOUNT WASHINGTON	82	80	2	2.4
NAHANT	2,236	2,172	64	2.9
NANTUCKET	8,360	8,304	56	0.7
NATICK	18,283	17,912	371	2.0
NEEDHAM	15,403	15,158	245	1.6
NEW ASHFORD	97	97	0	0.0
NEW BEDFORD	48,988	46,560	2,428	5.0
NEW BRAINTREE	302	290	12	4.0
NEW MARLBOROUGH	807	797	10	1.2
NEW SALEM	492	370	122	24.8
NEWBURY	2,649	2,588	61	2.3
NEWBURYPORT	8,862	8,535	327	3.7
NEWTON	48,518	47,670	848	1.7
NORFOLK	3,681	3,601	80	2.2
NORTH ADAMS	8,359	7,856	503	6.0
NORTH ANDOVER	11,368	11,061	307	2.7
NORTH ATTLEBOROUGH	12,525	12,080	445	3.6
NORTH BROOKFIELD	2,224	2,149	75	3.4
NORTH READING	6,948	6,814	134	1.9
NORTHAMPTON	14,489	14,153	336	2.3
NORTHBOROUGH	6,495	6,362	133	2.0
NORTHBRIDGE	6,725	6,526	199	3.0
NORTHFIELD	1,368	1,337	31	2.3
NORTON	7,665	7,436	229	3.0
NORWELL	4,935	4,811	124	2.5
NORWOOD	16,992	16,530	462	2.7
OAK BLUFFS	2,024	2,000	24	1.2
OAKHAM	501	492	9	1.8
ORANGE	2,750	2,615	135	4.9
ORLEANS	3,678	3,626	52	1.4
OTIS	542	505	37	6.8
OXFORD	6,581	6,359	222	3.4
PALMER	6,342	6,124	218	3.4
PAXTON	2,234	2,199	35	1.6
PEABODY	28,612	27,820	792	2.8
PELHAM	933	911	22	2.4
PEMBROKE	7,509	7,292	217	2.9
PEPPERELL	5,314	5,192	122	2.3
PERU	454	441	13	2.9
PETERSHAM	429	422	7	1.6
PHILLIPSTON	452	446	6	1.3
PITTSFIELD	25,918	24,591	1,327	5.1
PLAINFIELD	242	231	11	4.5
PLAINVILLE	3,383	3,122	261	7.7
PLYMOUTH	19,327	18,585	742	3.8
PLYMPTON	1,145	1,112	33	2.9
PRINCETON	1,723	1,684	39	2.3
PROVINCETOWN	2,608	2,539	69	2.6
QUINCY	47,134	45,696	1,460	3.1
RANDOLPH	16,660	16,129	531	3.2
RAYNHAM	5,223	5,074	149	2.9
READING	13,230	12,946	284	2.1
REHOBOTH	4,343	4,183	160	3.7
REVERE	23,157	22,272	885	3.8
RICHMOND	890	878	12	1.3
ROCHESTER	2,055	2,008	47	2.3
ROCKLAND	7,928	7,695	233	2.9
ROCKPORT	3,404	3,293	111	3.3
ROWE	181	177	4	2.2
ROWLEY	2,805	2,714	91	3.2
ROYALSTON	427	419	8	1.9
RUSSELL	797	768	29	3.6
RUTLAND	2,495	2,427	68	2.7
SALEM	23,096	22,378	718	3.1
SALISBURY	3,524	3,356	168	4.8
SANDISFIELD	425	417	8	1.9
SANDWICH	8,537	8,385	152	1.8
SAUGUS	14,771	14,328	443	3.0
SAVOY	361	342	19	5.3
SCITUATE	9,138	8,948	190	2.1
SEEKONK	6,610	6,480	130	2.0
SHARON	8,337	8,186	151	1.8
SHEFFIELD	1,681	1,651	30	1.8
SHELBURNE	1,033	981	52	5.0
SHERBORN	2,203	2,175	28	1.3
SHIRLEY	2,819	2,755	64	2.3
SHREWSBURY	13,183	12,891	292	2.2
SHUTESBURY	898	876	22	2.4
SOMERSET	9,941	9,575	366	3.7
SOMERVILLE	40,891	39,690	1,201	2.9
SOUTH HADLEY	8,836	8,636	200	2.3
SOUTHAMPTON	2,388	2,350	38	1.6
SOUTHBOROUGH	3,673	3,607	66	1.8
SOUTHBRIDGE	7,184	6,847	337	4.7
SOUTHWICK	4,141	4,047	94	2.3
SPENCER	6,080	5,928	152	2.5
SPRINGFIELD	68,169	65,404	2,765	4.1
STERLING	3,710	3,616	94	2.5
STOCKBRIDGE	1,355	1,330	25	1.8
STONEHAM	12,999	12,671	328	2.5
STOUGHTON	15,209	14,801	408	2.7
STOW	3,189	3,133	56	1.8
STURBRIDGE	3,265	3,180	85	2.6
SUDBURY	7,684	7,569	115	1.5
SUNDERLAND	2,323	2,248	75	3.2
SUTTON	3,418	3,349	69	2.0
SWAMPSCOTT	8,021	7,859	162	2.0
SWANSEA	8,221	7,989	232	2.8
TAUNTON	22,308	21,448	860	3.9
TEMPLETON	2,498	2,389	109	4.4
TEWKSBURY	15,034	14,640	394	2.6
TISBURY	3,632	3,600	32	0.9
TOLLAND	158	153	5	3.2
TOPSFIELD	3,218	3,124	94	2.9
TOWNSEND	4,554	4,442	112	2.5
TRURO	772	760	12	1.6
TYNGSBOROUGH	4,785	4,643	142	3.0
TYRINGHAM	265	262	3	1.1
UPTON	2,364	2,309	55	2.3
UXBRIDGE	4,834	4,664	170	3.5
WAKEFIELD	14,451	14,124	327	2.3
WALES	592	557	35	5.9
WALPOLE	11,121	10,623	498	4.5
WALTHAM	34,052	33,325	727	2.1
WARE	3,661	3,492	169	4.6
WAREHAM	12,085	11,628	457	3.8
WARREN	1,426	1,352	74	5.2
WARWICK	221	215	6	2.7
WASHINGTON	341	331	10	2.9
WATERTOWN	20,376	19,963	413	2.0
WAYLAND	7,095	6,986	109	1.5
WEBSTER	7,915	7,551	364	4.6
WELLESLEY	14,234	14,031	203	1.4
WELLFLEET	1,419	1,395	24	1.7
WENDELL	372	356	16	4.3
WENHAM	2,229	2,198	31	1.4
WEST BOYLSTON	3,416	3,348	68	2.0
WEST BRIDGEWATER	3,540	3,438	102	2.9

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment

AUGUST 1988 PRELIMINARY ESTIMATES

City or Town Name	Labor Force	Employment	Unemployment	Rate
WHITMAN	7,442	7,199	243	3.3
WILBRAHAM	6,454	6,306	148	2.3
WILLIAMSBURG	1,630	1,580	50	3.1
WILLIAMSTOWN	4,131	4,063	68	1.6
WILMINGTON	9,601	9,301	300	3.1
WINCHENDON	3,169	3,005	164	5.2
WINCHESTER	11,116	10,888	228	2.1
WINDSOR	383	366	17	4.4
WINTHROP	10,942	10,618	324	3.0
WOBURN	22,557	21,944	613	2.7
WORCESTER	82,171	79,303	2,868	3.5
WORTHINGTON	674	661	13	1.9
WRENTHAM	3,964	3,853	111	2.8
YARMOUTH	11,758	11,514	244	2.1
WEST BROOKFIELD	1,304	1,261	43	3.3
WEST NEWBURY	1,617	1,580	37	2.3
WEST SPRINGFIELD	14,765	14,358	407	2.8
WEST STOCKBRIDGE	811	788	23	2.8
WEST TISBURY	1,395	1,393	2	0.1
WESTBOROUGH	8,044	7,890	154	1.9
WESTFIELD	18,648	18,071	577	3.1
WESTFORD	8,951	8,737	214	2.4
WESTHAMPTON	855	853	2	0.2
WESTMINSTER	2,646	2,546	100	3.8
WESTON	5,818	5,742	76	1.3
WESTPORT	7,044	6,793	251	3.6
WESTWOOD	7,047	6,931	116	1.6
WEYMOUTH	31,042	30,122	920	3.0
WHATELY	944	927	17	1.8

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment

UNEMPLOYMENT INSURANCE CLAIMS[1]
MASSACHUSETTS AND THE LABOR AREAS

NOT SEASONALLY ADJUSTED

MASSACHUSETTS AND THE LABOR AREAS	INITIAL CLAIMS			CONTINUED CLAIMS[2]		
	AUG 88	JULY 88	AUG 87	AUG 88	JULY 88	AUG 87
MASSACHUSETTS	4,686	7,713	3,862	49,249	55,948	47,493
MAJOR LABOR AREAS						
BOSTON PMSA	1,697	2,151	1,411	23,244	23,808	22,053
BROCKTON PMSA	146	207	112	1,904	2,046	1,569
FALL RIVER PMSA[3]	358	500	312	2,098	2,640	1,874
FITCHBURG-LEOMINSTER MSA	99	250	73	1,009	1,224	892
LAWRENCE-HAVERHILL PMSA[4]	288	351	240	2,989	3,217	3,614
LOWELL PMSA[4]	206	197	148	2,614	2,550	2,057
NEW BEDFORD MSA	339	340	245	2,144	2,615	1,771
PITTSFIELD MSA	93	101	105	1,045	1,045	858
SPRINFIELD MSA	254	522	198	2,533	2,953	2,251
SALEM-GLOUCESTER PMSA	428	519	322	4,127	4,534	3,712
WORCESTER MSA	303	405	264	3,452	3,628	3,068
OTHER LABOR AREAS						
AMHERST LMA	11	12	17	149	146	124
ATHOL LMA	26	43	17	272	337	217
BARNSTABLE COUNTY LMA	126	158	102	1,522	1,520	1,094
BALANCE OF WESTERN MA EA	8	11	12	111	126	127
DUKES COUNTY LMA	1	1	2	14	28	23
GARDNER LMA	35	110	32	308	537	312
GREAT BARRINGTON LMA	4	7	24	101	103	106
GREENFIELD LMA	27	58	33	364	402	293
NANTUCKET LMA	3	2	0	11	6	3
NORTH ADAMS LMA	102	93	41	485	581	405
SOUTHBRIDGE LMA	25	38	21	237	269	224
TAUNTON LMA	92	160	48	565	705	516
WARE LMA	29	19	22	175	184	180

1 - Week that includes the 12th
2 - Includes regular compensation not extended compensation
3 - Includes Rhode Island residents of PMSA
4 - Includes New Hampshire residents of PMSA

EXPLANATION OF TERMS

Nonagricultural Wage and Salary Employment. Includes all workers who worked full or part-time or who received vacation pay, holiday pay or sick leave pay directly from the employer for the pay period which includes the 12th of the month. Excluded are workers in most agricultural industries as well as those in forestry, fisheries and international government. Also excluded are self-employed workers, unpaid family workers and domestics in private households.

Benchmark. A reasonably complete count of employment at a specified period of time, usually the first quarter of the year. The principal sources of benchmark data for the CES Program are tabulations of employment reported by establishments covered by the Massachusetts Employment Security Law and by Federal government agencies covered by Federal U.I. Law. These principal sources are supplemented for those nonagricultural jobs not covered by U.I. (e.g., religious, students employed by the institution attended).

Establishment. An establishment is an economic unit which produces goods or services, generally at a single physical location, and is engaged in only one type of activity.

Labor Force. The sum of the employed and unemployed living in the area (total employment plus total unemployment).

Total Employment. The count of persons, living in the area, who did any work at all, in any area, for pay or profit during the week of the month including the 12th or who had a job from which they were temporarily absent because of illness, vacation, labor dispute or other reasons which does not reflect a shortage of work.

Total Unemployment. The count of persons, living in the area, who did no work at all, in any area, during the week of the month including the 12th, but who were looking for work or awaiting recall from layoff or beginning a new job within the next 30 days.

Unemployment Rate. Unemployment expressed as a percent of the labor force.

Employment Review is published monthly by the DES Economic Research and Analysis Service in cooperation with the Bureau of Labor Statistics and the Employment and Training Administration.

Estimated Cost Per Copy: $0.0134

DES DIVISION OF EMPLOYMENT SECURITY

CHARLES F. HURLEY BUILDING
GOVERNMENT CENTER, BOSTON, MA 02114

OFFICIAL BUSINESS
Penalty for Private Use, $300

POSTAGE AND FEES PAID
EMPLOYMENT SECURITY MAIL
LAB 449

U.S. MAIL

CONGRESSIONAL INFORMATION SERV
DEPT SRI
4520 EAST WEST HIGHWAY
BETHESDA MD 20814

COMMONWEALTH OF MASSACHUSETTS